MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

FORMERLY

SYRIAN PROTESTANT COLLEGE

BEIRUT, SYRIA

LAT. 33° 54′ 22″ N.

LONG. E. FROM GREENWICH 35° 28′ 10″

DECEMBER, 1928

J. A. BROWN, DIRECTOR

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MAR 19 1929
WEATHER BUREAU

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DECEMBER 1928
METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude				Thermometer Cent.			Bright Sun-shine	Rain
	8:30	2:30	8:30	Mean	Max.	Min.	Min on grass	hrs.	m.m.
1	759.9	758.7	758.8	759.1	21.5	16.2		9.5	
2	7.3	6.4	7.8	7.2	22.1	16.4		0.0	
3	761.5	761.8	762.6	762.0	24.4	16.3		3.2	5.18
4	1.9	3.2	1.4	2.2	23.1	14.4		6.4	3.99
5	2.0	0.3	0.5	0.9	19.7	14.1		0.0	37.92
6	759.6	759.4	759.4	759.5	17.2	13.0		2.0	24.39
7	7.5	5.1	6.8	6.5	16.4	9.7		0.0	26.75
8	8.2	6.9	9.0	8.0	14.4	7.8		6.3	16.64
9	762.3	762.3	764.0	762.9	14.3	7.8		7.8	12.45
10	4.7	4.8	5.7	5.1	15.4	11.0		3.2	0.86
11	767.0	765.3	765.4	765.9	16.4	12.2		2.2	0.25
12	6.0	4.9	5.8	5.5	17.9	13.6		9.0	
13	5.3	4.8	3 9	4.6	18.6	12.8		8.7	
14	3.3	1.7	0.5	1.8	18.7	15.3		6.8	
15	756.9	758.2	760.4	758.5	20.7	16.9		5.6	
16	760.8	759.9	760.8	760.5	23.6	15.1		7.2	
17	0.2	7.5	757.5	758.4	18.8	15.0		8.8	
18	757.8	8.4	761.2	9.1	17.4	11.1		0.5	21.08
19	765.6	765.2	5.7	765.5	16.2	10.6		6.5	2.54
20	2.2	0.9	2.3	1.8	17.0	12.9		7.6	1.06
21	766.0	766.3	768.1	766.8	17.9	11.9		3.5	26.72
22	5.9	7.9	8.4	7.4	15.7	11.1		1.2	9.52
23	8.4	7.2	7.6	7.7	15.8	11.1		5.6	
24	6.2	4.8	5.5	5.5	16.7	12.5		7.0	
25	2.9	2.7	3.9	3.2	17.6	14.2		2.0	
26	764.0	763.3	763.9	763.7	19.4	15.6		1.8	
27	2.7	0.2	0.6	1.2	19.6	15.6		0.0	
28	3.5	4.1	6.2	4.6	19.2	16.2		3.6	
29	7.0	3.5	3 0	4.5	19.1	13.1		6.4	
30	759.0	757.0	758.2	758 1	17.1	13.0		4.6	
31	761.2	762.0	764.3	762 5	20.0	15.0		4.5	18.85
	762 48	761.76	762.59	762 27	18.45	13 24		4.57	6.72

BAROMETER

Maximum 768.4 on 22nd & 23rd

Minimum 755.1 on 7th

THERMOMETER

Maximum 24.4 on 3rd

Minimum 7.8 on 8th & 9th

RAINFALL

Maximum 37.92 on 5th

Number of days with rain 15, fog 0, thunderstorms 3, gale 2

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Date	Dry Bulb Cent. (Corrected)				Wet Bulb Cent. (Corrected)			Elasticity of Vapor m.m.				Relative Moisture per cent.			
	8:30	2:30	8:30	Mean	8:30	2:30	8:30	8:30	2:30	8:30	Mean	8:30	2:30	8:30	Mean
1	19.7	21.0	19.2	20.0	14.9	16.8	13.4	9.9	11.5	8.5	10.0	57	62	51	56
2	22.5	24.4	23.1	23.3	17.3	22.9	15.4	11.5	19.6	9.1	13.4	56	86	43	62
3	18.9	16.8	16.5	17.4	14.7	14.6	13.7	10.0	11.0	10.0	10.3	62	78	72	71
4	17.9	19.4	16.8	18.0	14.3	15.7	13 9	10.0	11.0	10.2	10.4	65	65	72	67
5	14.4	15.3	13.8	14.4	13.3	14.1	13.4	10.7	11.2	11.0	11.0	87	87	94	89
6	13.4	16.0	14.2	14.5	12.7	14.0	12.5	10.5	10.7	9.8	10.3	91	79	81	84
7	10.0	11.4	13.9	11.8	9,2	9.8	11.3	8.3	8.1	8.4	8.3	90	81	72	81
8	10.2	13.0	11.0	11.4	8.7	10,8	9.0	7.5	8.5	7.5	7.8	82	76	76	78
9	12.2	14.9	12.2	13.1	9.7	11.1	14.7	7.6	7.9	7.1	7.5	72	62	67	67
10	12.9	14.6	13.0	13.5	10.6	12.5	10.6	8.2	9.5	8.2	8.6	73	77	73	74
11	14.7	16.6	14.7	15.3	11.6	13.1	12.2	8.4	9.2	9.2	8.9	67	66	73	69
12	16.4	18.2	14.9	16.5	11.7	13.9	12.2	7.8	9.4	8.8	8.7	56	60	70	62
13	16.9	18.2	16.9	17.3	12.1	13.9	13.6	8.0	9.4	9.7	9.0	56	60	68	61
14	18.7	20,2	17,8	18.9	12.5	15.4	13.9	7.8	10.3	9.5	9.2	48	58	63	56
15	21.0	20.6	17.3	19 6	13.8	17.1	14.1	7.8	12,2	10.1	10.0	44	65	69	59
16	17.3	17.9	16.0	17.1	13.1	13.2	11.4	9.5	8.8	7.7	8.7	65	57	57	60
17	17.3	19.6	17.3	18.1	12.7	13.1	12.4	8.5	7.7	8.2	8.1	59	46	56	54
18	14.9	13.8	15.7	14.8	13.3	11.9	12.1	10.4	9.3	8.5	9.4	82	79	64	75
19	16.2	16.7	13.1	15.3	12.3	12.7	10.9	8.5	8.7	8.5	8.6	62	61	76	66
20	15.8	17.8	15.6	16.4	11.1	12.6	12.6	7.5	8.1	9.1	8.2	56	52	69	59
21	11.9	14.6	12.8	13.1	11.3	13.1	11.4	9.6	10.9	9.2	9.9	92	87	85	88
22	14.9	14.1	13.8	14.3	12.5	13.4	12.1	9.4	11.1	9.5	10.0	75	92	81	83
23	14.7	15.8	13.0	14.5	11.8	12.7	10.7	8.8	9.2	8.4	8.8	70	68	75	71
24	15.6	17.4	17.2	16.7	11 7	12.7	12.7	8.2	8.4	8.5	8.4	62	57	58	59
25	16.6	18.6	16.6	17.3	13.2	15.7	12.7	9.4	11.5	8.8	9.9	67	72	64	68
26	18.3	19.3	16.7	18.1	16.7	16.0	14.7	13.0	11.5	11.1	11.9	83	69	79	77
27	16.8	18.3	16.9	17.3	13.6	16.3	13.3	9.8	12.4	9.3	10.5	68	80	65	71
28	17.8	17.8	16.2	17 3	14.6	15.4	13.5	10.4	11.5	10.0	10.6	68	75	73	72
29	15.8	16.8	15.3	16.0	12.7	12.8	12.7	9.1	8.8	9.5	9.1	68	62	73	68
30	17.3	19.1	19.2	18.5	13.6	15.6	15 1	9.5	11.0	10.3	10.3	65	68	64	66
31	16.7	18.2	16.4	17.1	14 9	15 7	15.3	10.8	10.9	12,0	11.2	77	72	88	79
	16.05	17.32	15.71	16.35	12.78	14 12	12.82	9.24	10.30	9.22	9.58	68.6	69 9	70.0	69.4

Height of Barometer above sea level: 33.7 meters.

„ „ Thermometers above ground:

Dry and wet 1.55 m.; Max. 1.75 m.; Min. 1.70 m

Height of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m

Gravity Correction —0.79mm.

Time of readings according to Standard Time of 30th E. Meridian.

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METEOROLOGICAL REGISTER

Date	Clouds. Clear—0 Overcast—10				Direction and force of Wind 0—10			Wind per day	Sea	Notes
	8:30	2:30	8:30	Mean	8:30	2:30	8:30	Km.		
1	6ci	4ci	0	3.3	1se	1se	0	59.4	light	
2	8ci str.	10ni	10ni	9.3	0	3s	2s	57.9	,,	
3	3str.cu	10ni	1	4.7	4s	2se	0	351.4	slight	
4	8ni	3str.cu	1	4.0	4s	5s	2se	370.4	rough	
5	10ni	10ni	10ni	10.0	1e	3s	1se	355.6	slight	t.l.r.d. & ni.
6	10ni	8ni	4	7.3	4s	2s	1s	338.5	mod.	
7	10ni	10ni	10ni	10.0	1s	2s	8w	407.4	rough	t.l.r.d. & ni.
8	4str.cu	10ni	6str.ni	6.7	1se	2s	0	412.1	mod.	t.l.r.h.d&ni.
9	3ci.cu	4str.cu	0	2.3	1se	3	1nw	124.2	,,	
10	4str.cu	9ni	1	4.7	1s	0	1nw	187.5	light	
11	8str.cu	8str.cu	10 ni	8.7	1s	1s	0	112.5	,,	
12	1	1	0	0.7	0	1	0	90.4	calm	
13	0	0	1str.cu	0.3	0	1n	1ne	35.9	,,	
14	0	8ci.ni	1str.	3.0	0	0	0	66.5	,,	haze in a.m.
15	6str.ni	6str.cu	4str.cu	5.3	1s	3s	4s	276.2	mod.	tr. rain
16	3str.cu	8str.ni	2	4.3	4	6s	3s	559.1	v.rough	mi.d. day g.
17	1	2str.cu	4str.ni	2.3	2se	4s	3s	449.9	slight	
18	10ni	10ni	6str.cu	8.7	6s	4s	4w	665.9	v.rough	gale
19	4str.cu	6str cu	4str.cu	4.7	2s	1	0	170.9	mod.	
20	0	2	8ni.cu	3.3	0	3w	3s	99 8	calm	
21	8ni	6str.ni	10ni	8.0	0	2s	0	347.9	mod	
22	10ni	10ni	10ni	10.0	2s	0	0	218.2	,,	
23	8str.ci	6str.cu	4ci	6.0	1se	1nw	0	127.9	light	lunar halo
24	0	1ci.cu	1	0.7	0	2n	2n	244.6	,,	
25	6ci.cu	10ni	10ci.cu	8.7	0	1s	0	78.4	calm	lunar halo
26	10ni	10ni	10ni	10.0	0	0	1se	59.2	,,	tr. rain
27	10ni	10ni	8ci.ni	9.3	0	1e	0	33.5	,,	
28	8str.ni	8str.ni	2str.	6.0	3	2w	2n	182.1	mod.	
29	6ci.cu	8ci.ni	8ci.ni	7.3	0	0	0	183.4	light	tr. rain
30	10ni	3str.cu	3str.	5.3	2	4s	0	70.5	mod.	tr. of rain
31	10ni	6str. ni	6str.cu	7.3	4s	4s	2s	484.4	rough	
				5.88				232.70		

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm
8:30	0	0	1	5	11	3	0	0	11
2:30	2	0	1	2	15	3	2	1	5
8.30	2	1	0	3	7	0	2	2	14
Totals	4	1	2	10	33	6	4	3	30

N. B. — Cloud numbers without letters are all cu.
Wind ,, ,, ,, ,, ,, sw